

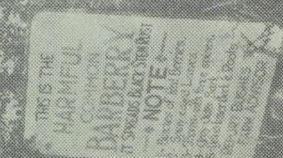
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P. O. Box  
Columbus, Ohio  
749

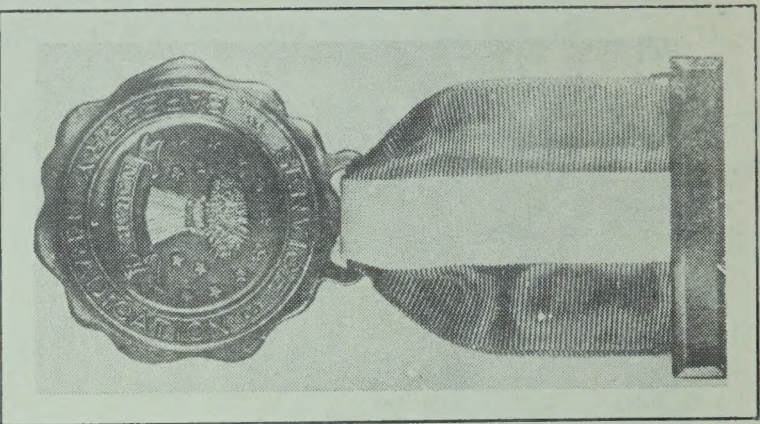
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Very truly yours,  
Harry Atwood, Agent  
In Charge of Barberr  
Eradication in Ohio

Harry Atwood, Agent  
In Charge of Barbary  
Eradication in Ohio

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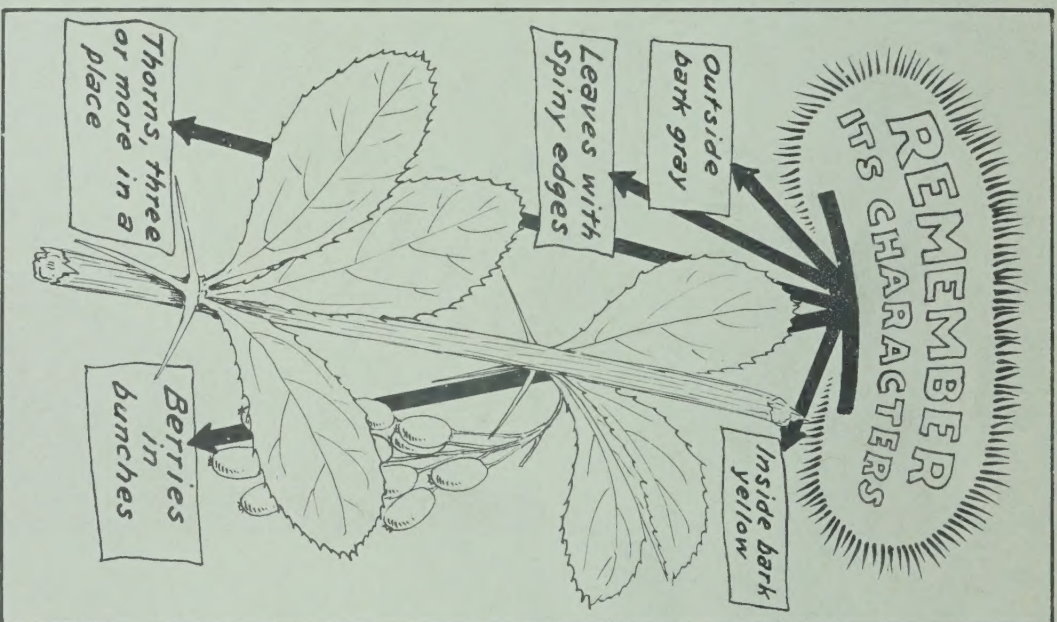




A service medal like the one pictured above is given to every boy or girl who finds and reports a new location of common barberry bushes.

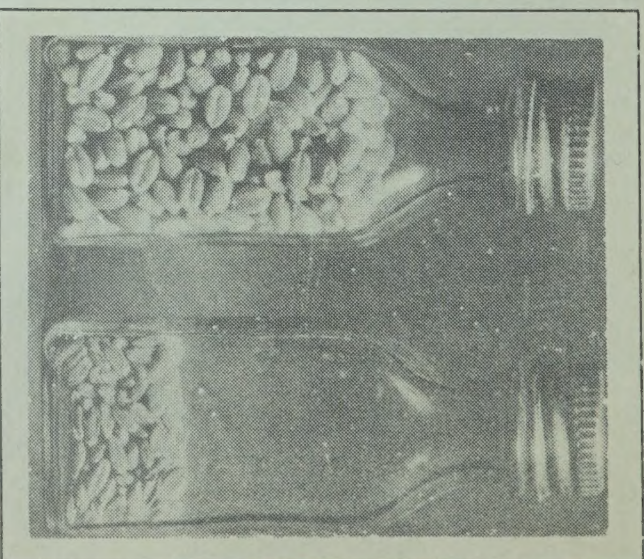
Below is listed the number of locations of barberries that have been reported in the various counties in Ohio. Have you located a barberry bush in your county? A medal is waiting for you.

Ashtabula	1	Lake	2	Putnam	1
Clermont	4	Licking	7	Seneca	1
Coshocton	3	Lucas	4	Summit	1
Darke	1	Madison	1	Trumbull	5
Delaware	1	Mahoning	1	Tuscarawas	1
Erie	1	Medina	2	Union	2
Fulton	7	Monroe	1	Williams	1
Geauga	7	Morrow	1	Wood	2
Jefferson	1	Portage	2		



#### RUST-SPREADING BARBERRY

Look for plants that have leaves, thorns, berries, and bark like those shown in the diagram. Send a twig of any bush which you think may be a barberry to P. O. Box 746, Columbus, Ohio.



The plump grain above was produced by healthy wheat plants. The shriveled grain came from rusted wheat plants. There are 300 kernels in each bottle.

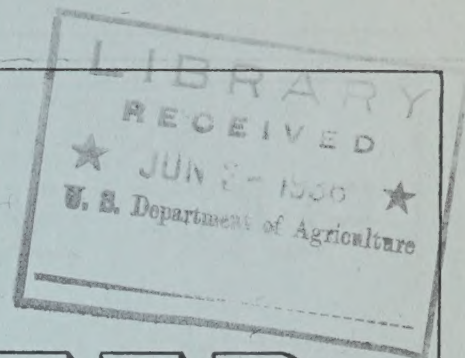
Rusted grain plants become sick and diseased. In past years this disease, known as stem rust, has caused enormous losses of small grain in the United States. During the World War, when farmers were trying to grow more wheat than usual to make bread to feed the soldiers, an epidemic of this destructive disease destroyed millions of bushels of wheat in a period of a few weeks.

Future losses can be greatly reduced by using the proper control measures. Boys and girls in Ohio are helping to combat stem rust by reporting the location of rust-spreading common barberry bushes!

Come join us in this battle, For save our grain, we must. Each boy and girl can lend a hand; Use this slogan "BUST THE RUST".



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# THE OHIO RUST BUSTER



Boys find Common Barberry Bush while on their way to school.

We'll find the Common Barberry,  
We'll make it bite the dust,  
And save our grain from damage.  
What's our Slogan? - "BUST THE RUST"



# THE OHIO RUST BUSTER

A circular for the school children  
of Ohio

Issued by the  
Division of Plant Disease Control  
Bureau of Entomology & Plant Quarantine  
U. S. Department of Agriculture

Harry Atwood, Associate Pathologist  
In Charge of Barberry Eradication in Ohio

When the early colonists came to America they brought the common barberry with them. Because of its upright habit of growth and many thorns, it made a splendid hedge plant. Furthermore, its roots were used to make medicine and dyes, and the berries were used for jellies. Barberry bushes thrived in New England, and when pioneers began moving to Ohio and other Middle Western States they took barberries with them.

Historical records show that there were early plantings of barberry in many Ohio counties. Some were brought to Geauga County in 1808. Between that date and 1824, several plantings of barberry were made in Coshocton, Logan, Lucas and Seneca Counties. About a hundred and fifteen years ago a hedge was planted on an old homestead near Tiffin, Ohio. The seed for this hedge was brought up the Sandusky River on a barge along with the baggage of an early settler. For many years before it was generally known that the common barberry was the spring host for the stem rust fungus, nurserymen sold bushes for landscaping purposes. Birds scattered seed from these plantings until barberry bushes growing wild became quite common in woodlots and on other uncultivated lands.

As barberry bushes became widely distributed there was a noticeable increase in the amount of damage caused by stem

## FACTS

2,800,000 barberry bushes have been destroyed on 15,000 properties in Ohio.

Many of the grain-growing countries in Europe are eradicating barberry bushes as a means of reducing losses from stem rust.

As progress has been made in the eradication of barberry bushes in Ohio there has been a noticeable reduction in the amount of damage caused by stem rust.

Stem rust must be prevented, as there is no practicable means of controlling the disease once it begins to spread in the growing grain crops.

Shriveled, light weight, poor milling quality grain is produced in fields damaged by stem rust.

## COOPERATION

The expense of eradicating common barberry bushes in Ohio would be greatly reduced if each property owner would inspect his own premises and report his findings to the Barberry Eradication Office. Do not hesitate to report these harmful shrubs. To harbor this pest and allow it to spread is unneighborly.

If you find a harmful barberry growing on a property, you owe it to your community to report the location. A careful inspection of adjacent properties often reveals additional bushes that have grown from seed scattered by birds and other agencies.

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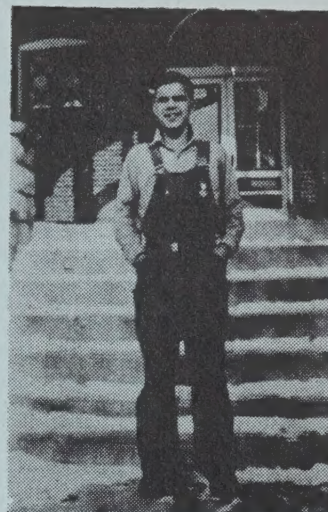
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rust. Something had to be done to reduce losses from the disease. The common barberry had been proven the spring home of the stem rust fungus, and Ohio farmers obtained the cooperation of the State and Federal Governments in a barberry eradication program which was begun in 1918.



## CHAMPION RUST BUSTER

The Champion Rust Buster of Ohio is Clarence Teal of Clermont County. He was presented a gold medal recently for reporting his fifth new property having common barberry. However, Clarence did not lose interest because he had won the highest award but has since reported three additional locations.

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Glenn Boyer

Glenn Boyer is 16 years of age and a member of the Junior class of the Jr. O. U. A. M. School, Tiffin, Ohio. He has reported 90 escaped common barberry bushes on two properties in the vicinity of the school. Frank Cannon and William Waugeman from this school have also earned bronze medals.

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Delbert Gruver

Delbert Gruver is a senior in the Wadsworth High School, and in addition to ranking well in his class he is President of the Wadsworth Chapter, F. F. A. Delbert has reported three locations of common barberry, thus winning a bronze medal, bar, and silver medal.

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In one rural school situated in Geauga County, seven pupils have received bronze medals for reporting locations of common barberry.

In some vocational agriculture departments in the State, the harmful barberry is included in the list of "Pests" to be eradicated and a certain number of points are given for each location found.

In one city school each pupil reporting a new location of barberry is credited with an additional ten points to the final semester grade in science.

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Phillip Martin

After studying about common barberry and black stem rust in school, Phillip Martin began a search for these harmful shrubs. He found a large bush growing on his father's farm. Continuing his search he found other bushes growing on a neighboring property.

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Spring is a good time to look for rust-spreading barberries. Leaves on these bushes are among the first to appear and the bright yellow flowers make them easy to identify. Be on the lookout for this plant. We are counting on your support in our program for better quality grain.

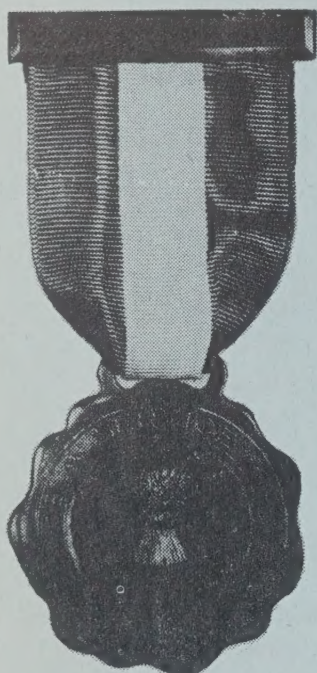
All awards are furnished by the Rust Prevention Association, Minneapolis, Minnesota.

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JAPANESE BARBERRY IS HARMLESS —

DO NOT DESTROY IT





**REPORT A  
BARBERRY  
BUSH  
AND  
RECEIVE  
THIS  
RUST  
BUSTER  
MEDAL**

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Send Reports To  
**BARBERRY ERADICATION OFFICE**  
POST OFFICE BUILDING  
Columbus, Ohio

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In Ohio 92 school children have won bronze medals by reporting new locations of common barberry; 12 have won second degree awards; 2, third degree; 1, fourth degree; and 1, the fifth degree, which is a gold medal.

More than 8,000 common barberry bushes have been destroyed on 108 properties through the efforts of these Rust Busters.

**NUMBERS OF RUST BUSTERS BY COUNTIES, OHIO**

Ashtabula 2	Lake 2	Portage 2
Butler 2	Licking 8	Preble 3
Clermont 5	Logan 1	Putnam 2
Coshocton 4	Lucas 4	Seneca 5
Darke 1	Madison 1	Summit 2
Delaware 1	Mahoning 1	Trumbull 8
Erie 4	Medina 4	Tuscarawas 1
Fulton 8	Monroe 1	Union 2
Geauga 9	Montgomery 2	Williams 1
Huron 1	Morgan 1	Wood 2
Jefferson 1	Morrow 1	

The Barberry Bush must go!  
You will help in the work I know;  
An enemy to the public good,  
Its ways found out and understood;  
As a villainous trust,  
It harbors the rust,  
That destroys useful grains that we sow.  
Coler.



Typical Common Barberry Bush

**CHARACTERISTICS**

Erect habit of growth  
Leaves with spiny edges  
Thorns, usually in threes  
Outer bark gray  
Inner bark yellow  
Red berries in clusters

**WHERE TO LOOK FOR COMMON BARBERRY BUSHES**

1. In shrubbery plantings around house.
2. In gardens and orchards.
3. In pastures and woodlots.
4. In fence rows, hedges, and wind-breaks.
5. On banks of streams and lakes.